REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association
Direct Dial: (703) 827-5260

STATISTICAL

No. 01-92 January 8, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – OCTOBER 1991

(Values in Millions of U.S. Dollars)

	Oct. 1991	Sept. 1991	Average Jul-Sept.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 47.5	$ 43.7	$ 45.5	$ 500.5	$ 505.9	(1.1%)
Imports	$137.4	$129.7	$126.2	$1,375.0	$1,526.6	(9.9%)
Balance	($ 89.9)	($ 86.0)	($ 80.7)	($ 874.5)	($1,020.7)	(14.3%)
METAL FORMING MACHINE TOOLS						
Exports	$ 38.7	$ 34.0	$ 40.8	$ 396.1	$ 377.2	5.0%
Imports	$ 34.8	$ 29.2	$ 31.8	$ 424.2	$ 424.9	(0.2%)
Balance	$ 3.9	$ 4.8	$ 9.0	($ 28.1)	($ 47.7)	(41.1%)
MACHINE TOOL TOTAL						
Exports	$ 86.1	$ 77.6	$ 86.3	$ 896.6	$ 883.0	1.5%
Imports	$172.1	$158.9	$158.0	$1,799.2	$1,951.4	(7.8%)
Balance	($ 86.0)	($ 81.3)	($ 71.7)	($ 902.6)	($1,068.4)	(15.5%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 18.4	$ 26.2	$ 20.3	$ 254.8	$ 286.6	(11.1%)
Imports	$102.1	$ 94.5	$ 89.8	$ 996.7	$1,041.6	(4.3%)
Balance	($ 83.7)	($ 68.3)	($ 69.5)	($ 741.9)	($ 755.0)	(1.7%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$159.7	$136.5	$137.1	$1,404.8	$1,517.7	(7.4%)
Imports	$154.5	$146.0	$158.1	$1,653.7	$1,630.7	1.4%
Balance	$ 5.2	($ 9.5)	($ 21.0)	($ 248.9)	($ 113.0)	120.3%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

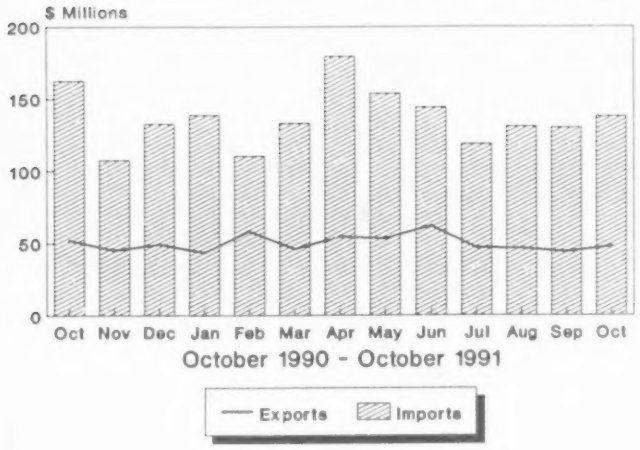
• U.S. machine tool exports in October totalled $86.1 million, up 11% over September. Year-to-date exports of machine tools -- $896.6 million -- are up 2% over last year; exports of NC machines are down 11% to $254.8 million.

• Machine tool imports so far in 1991 are $1.8 billion, down 8% from last year. Imports of NC machines are down 4% from last year to $1.0 billion.

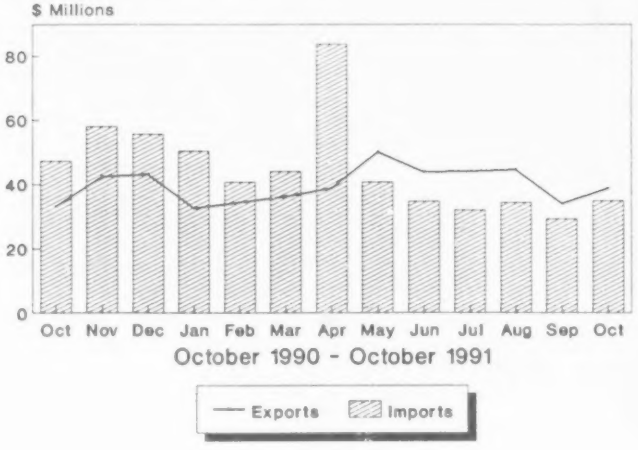
• The top export markets in 1991 through October are Canada at $113.4 million, followed by Mexico ($97.7 million), Germany ($87.2 million) and Japan ($83.9 million). The top import sources are Japan ($829.9 million), Germany ($380.0 million), Taiwan ($97.1 million) and Switzerland ($82.7 million).

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

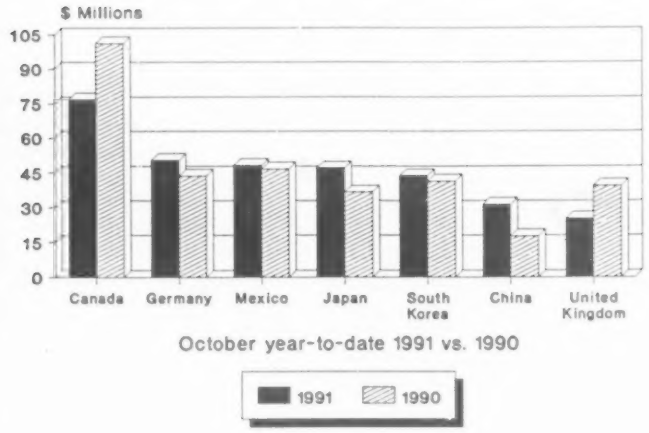
Exports

• Metal cutting machine tool exports in October rose to $47.5 million from $43.7 million in September. Year-to-date exports of $500.5 million are down 1% from last year.

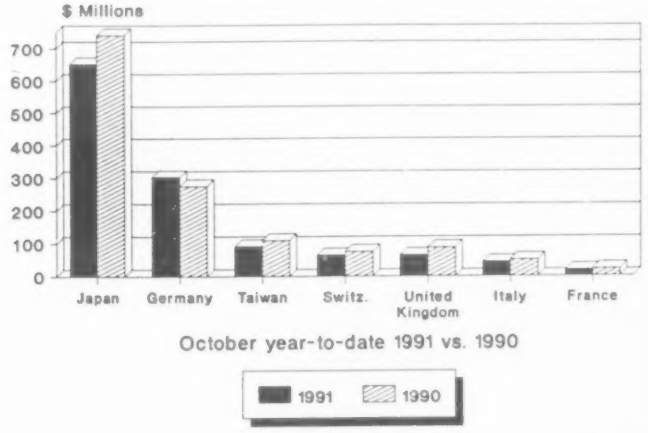
• Canada was the top export market in October at $7.4 million and is the top year-to-date market at $76.6 million, down 24% from last year. Year-to-date exports to Indonesia are $4.7 million, up from $0.3 million last year at this time.

• In 1991 through October exports of gear cutting machines are up 23% in unit terms and 18% in value terms compared to last year; exports of grinding machines are down 8% and 18%, respectively. Exports of milling machines are up 28% in units, but down 1% in value.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Year-to-date metal cutting imports are $1.4 billion, down 10% from 1990. Imports in October 1991 were $137.4 million, up from $129.7 million in September.

• So far in 1991, imports of NC horizontal lathes (2,062 machines, $214.6 million) are down 24% in unit terms and down 19% by value. Imports of NC vertical lathes (100 machines, $26.1 million) are down 34% in unit terms but up 15% in value terms. Imports of non-NC lathes (4,124 machines, $67.5 million) are down 41% and down 32% in units and value, respectively.

• Imports from Japan so far in 1991 are down 12% to $651.9 million; imports from Germany are up 10% to $303.2 million. Among the major metal cutting machine tool suppliers to the United States, only Germany and Sweden have higher sales this year than last.

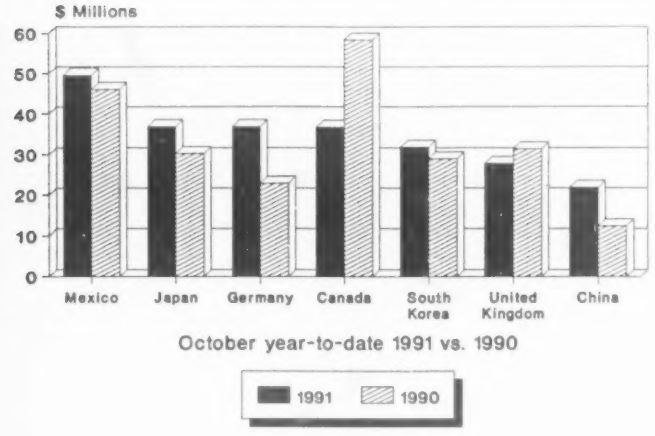
METAL FORMING MACHINE TOOLS

Exports

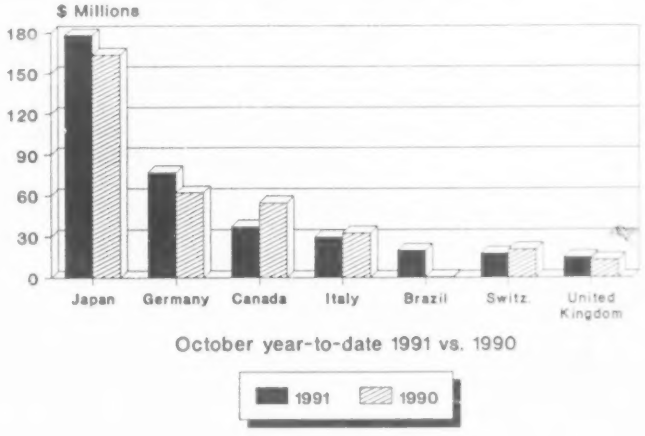
• Exports of metal forming machines rebounded in October to $38.7 million, up 14% from September. Year-to-date exports of $396.1 million are up 5% over last year.

• South Korea was the top metal forming export market in October at $8.5 million, followed by Japan ($6.6 million) and Mexico ($5.1 million). Mexico ($49.6 million, up 8%), Japan ($36.9 million, up 22%) and Germany ($36.9 million, up 61%) are the year-to-date export leaders so far in 1991.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Imports of metal forming machines rose 19% in October to $34.8 million. However, October was the sixth consecutive month that U.S. exports of metal forming machine tools exceeded imports. Year-to-date imports are $424.2 million, down fractionally from last year.

• Japan was the top import source in October at $13.9 million. Year-to-date imports from Japan are $178.0 million, up 9% over last year. So far in 1991, imports from Japan, Germany, Brazil and the United Kingdom are up versus last year; imports from all other major suppliers are down.

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of industrial robots in October were $10.7 million, for a year-to-date total of $65.9 million. The comparable figure for 1990: $53.4 million.

• Exports of machines using laser, light, photon beam or ultrasonic processes for working any material are $32.6 million in 1991 through October. The comparable figure for 1990: $42.3 million.

Imports

• Year-to-date imports of machines using laser, light, ultrasonic, or photon beam processes are $46.6 million. The comparable figure in 1990: $39.9 million.

• Year-to-date imports of blow molding machines are $45.7 million, up from $40.9 million last year. Imports of machines for balancing mechanical parts are $7.9 million so far in 1991, down from $10.8 million last year at this time.

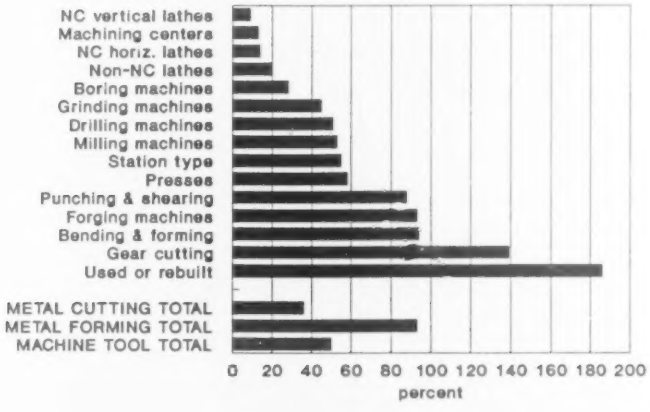
MONTHLY FOCUS

The U.S. trade deficit in machine tools in 1991 through October is $902.6 million, of which 97% ($874.5 million) is metal cutting machines and just 3% ($28.1 million) is metal forming machines.

Despite the large overall deficit, some machine categories enjoy a trade surplus. For example, exports of gear cutting machines so far this year ($56.7 million) exceed imports ($40.9 million), as do exports of used or rebuilt machines ($115.4 million vs. $62.0 million). However, for most machine categories, imports exceed exports, sometimes by a wide margin. The largest deficit is in machining centers: exports of $45.5 million and imports of $354.0 million produce a deficit of $308.5 million, roughly one-third the total. The deficit for NC horizontal lathes is another $185.5 million.

The chart below shows exports as a percentage of imports for various machine types. The lowest value is for NC vertical lathes: U.S. exports in that category are just 9% of imports. Values over 100% indicate a trade surplus.

US Machine Tool Exports as % of Imports
Select Machine Categories
January-October 1991



1991 EXPORTS

METAL CUTTING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Canada	$7,374,646	$10,433,033	-29.3%	$76,600,661	$101,088,818	-24.2%
Germany	6,500,267	3,252,949	99.8%	50,358,293	43,572,695	15.6%
Mexico	5,308,815	4,873,991	8.9%	48,060,378	46,626,365	3.1%
Japan	2,755,083	2,600,348	6.0%	47,006,143	36,667,705	28.2%
South Korea	5,261,686	1,926,648	173.1%	43,738,080	41,415,583	5.6%
China	6,268,292	6,000,163	4.5%	31,189,765	17,660,681	76.6%
United Kingdom	1,581,106	2,671,788	-40.8%	25,273,808	39,258,538	-35.6%
USSR	0	0	NA	17,926,246	7,861,503	128.0%
France	4,334,081	718,637	503.1%	16,391,652	8,099,748	102.4%
India	579,498	242,559	138.9%	11,340,045	19,218,512	-41.0%
Brazil	285,530	1,392,671	-79.5%	10,396,331	13,880,566	-25.1%
Italy	87,599	1,243,510	-93.0%	10,383,979	15,362,054	-32.4%
Taiwan	452,973	71,755	531.3%	9,802,461	10,129,359	-3.2%
Belgium	424,219	1,198,389	-64.6%	9,773,509	17,859,291	-45.3%
Venezuela	819,495	398,748	105.5%	9,361,005	6,462,321	44.9%
Singapore	628,420	128,329	389.7%	7,356,454	7,663,635	-4.0%
Indonesia	46,635	90,846	-48.7%	4,745,051	305,409	1,453.7%
Switzerland	232,342	44,762	419.1%	4,490,966	4,766,425	-5.8%
Netherlands	145,883	307,696	-52.6%	4,245,782	5,700,502	-25.5%
Australia	608,723	161,336	277.3%	3,987,003	14,199,046	-71.9%
Malaysia	16,247	22,999	-29.4%	2,932,067	2,277,314	28.8%
Thailand	68,394	371,521	-81.6%	2,174,175	2,047,758	6.2%
Spain	874,765	26,468	3,205.0%	2,135,355	5,561,028	-61.6%
Austria	26,000	70,894	-63.3%	783,502	244,613	220.3%

METAL FORMING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Mexico	$5,149,768	$4,193,644	22.8%	$49,640,854	$46,075,046	7.7%
Japan	6,626,124	2,358,551	180.9%	36,905,191	30,226,669	22.1%
Germany	3,382,871	2,829,301	19.6%	36,886,742	22,885,712	61.2%
Canada	2,337,110	3,998,542	-41.6%	36,776,817	58,432,886	-37.1%
South Korea	8,460,070	4,573,623	85.0%	31,876,325	29,007,336	9.9%
United Kingdom	1,585,330	2,032,492	-22.0%	27,799,939	31,406,046	-11.5%
China	978,364	1,711,315	-42.8%	21,929,069	12,433,466	76.4%
France	1,279,474	1,782,264	-28.2%	21,514,005	16,432,765	30.9%
Italy	233,938	134,250	74.3%	9,861,056	7,859,668	25.5%
Australia	315,232	338,411	-6.8%	9,485,056	6,031,618	57.3%
Netherlands	87,454	533,838	-83.6%	8,859,338	7,422,900	19.4%
Taiwan	741,886	1,495,036	-50.4%	8,381,118	13,664,036	-38.7%
Thailand	951,456	197,190	382.5%	8,327,671	4,122,453	102.0%
Brazil	2,213,598	810,795	173.0%	7,849,233	5,971,475	31.4%
Singapore	286,364	1,188,058	-75.9%	5,895,014	5,323,021	10.7%
Indonesia	959,845	288,184	233.1%	4,983,334	6,572,707	-24.2%
Spain	394,045	238,888	64.9%	4,735,873	5,495,561	-13.8%
Belgium	137,393	806,443	-83.0%	3,035,386	2,576,928	17.8%
Switzerland	286,447	705,763	-59.4%	2,507,282	2,048,537	22.4%
Venezuela	200,929	444,713	-54.8%	2,219,222	1,551,657	43.0%
Malaysia	179,583	50,108	258.4%	1,405,811	4,380,532	-67.9%
India	79,796	49,826	60.1%	1,001,798	6,057,465	-83.5%
Austria	49,800	54,479	-8.6%	428,568	2,309,218	-81.4%
USSR	0	0	NA	122,884	732,665	-83.2%

MACHINE TOOL TOTAL

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Canada	$ 9,711,756	$14,431,575	-32.7%	$113,377,478	$159,521,704	-28.9%
Mexico	10,458,583	9,067,635	15.3%	97,701,232	92,701,411	5.4%
Germany	9,883,138	6,082,250	62.5%	87,245,035	66,458,407	31.3%
Japan	9,381,207	4,958,899	89.2%	83,911,334	66,894,374	25.4%
South Korea	13,721,756	6,500,271	111.1%	75,614,405	70,422,919	7.4%
China	7,246,656	7,711,478	-6.0%	53,118,834	30,094,147	76.5%
United Kingdom	3,166,436	4,704,280	-32.7%	53,073,747	70,664,584	-24.9%
France	5,613,555	2,500,901	124.5%	37,905,657	24,532,513	54.5%
Italy	321,537	1,377,760	-76.7%	20,245,035	23,221,722	-12.8%
Brazil	2,499,128	2,203,466	13.4%	18,245,564	19,852,041	-8.1%
Taiwan	1,194,859	1,566,791	-23.7%	18,183,579	23,793,395	-23.6%
USSR	0	0	NA	18,049,130	8,594,168	110.0%
Australia	923,955	499,747	84.9%	13,472,059	20,230,664	-33.4%
Singapore	914,784	1,316,387	-30.5%	13,251,468	12,986,656	2.0%
Netherlands	233,337	841,534	-72.3%	13,105,120	13,123,402	-0.1%
Belgium	561,612	2,004,832	-72.0%	12,808,895	20,436,219	-37.3%
India	659,294	292,385	125.5%	12,341,843	25,275,977	-51.2%
Venezuela	1,020,424	843,461	21.0%	11,580,227	8,013,978	44.5%
Thailand	1,019,850	568,711	79.3%	10,501,846	6,170,211	70.2%
Indonesia	1,006,480	379,030	165.5%	9,728,385	6,878,116	41.4%
Switzerland	518,789	750,525	-30.9%	6,998,248	6,814,962	2.7%
Spain	1,268,810	265,356	378.2%	6,871,228	11,056,589	-37.9%
Malaysia	195,830	73,107	167.9%	4,337,878	6,657,846	-34.8%
Austria	75,800	125,373	-39.5%	1,212,070	2,553,831	-52.5%

1991 IMPORTS

METAL CUTTING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Japan	$81,114,311	$75,182,939	7.9%	$651,913,709	$741,148,285	-12.0%
Germany	15,171,967	19,191,544	-20.9%	303,151,865	275,377,364	10.1%
Taiwan	10,674,787	6,870,022	55.4%	90,985,661	108,942,915	-16.5%
Switzerland	6,734,375	4,212,049	59.9%	64,999,227	75,328,515	-13.7%
United Kingdom	6,476,164	3,990,795	62.3%	64,873,312	88,197,338	-26.4%
Italy	2,012,195	6,836,990	-70.6%	42,525,059	49,596,329	-14.3%
France	1,779,377	886,945	100.6%	17,850,517	21,534,053	-17.1%
South Korea	1,850,690	1,259,690	46.9%	16,001,334	16,015,775	-0.1%
Sweden	1,194,577	552,318	116.3%	14,787,601	14,230,935	3.9%
Spain	535,317	232,454	130.3%	14,700,614	22,142,865	-33.6%
Canada	895,315	1,615,730	-44.6%	14,606,059	18,737,822	-22.1%
Singapore	1,664,363	1,462,951	13.8%	10,760,083	16,303,496	-34.0%
Brazil	458,322	781,543	-41.4%	7,487,246	11,936,937	-37.3%
Belgium	144,477	0	NA	1,829,034	1,658,675	10.3%

METAL FORMING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Japan	$13,926,257	$11,095,843	25.5%	$177,982,338	$163,648,436	8.8%
Germany	7,965,094	4,785,020	66.5%	76,867,247	62,031,709	23.9%
Canada	2,224,303	4,091,674	-45.6%	36,967,305	54,502,252	-32.2%
Italy	2,888,087	3,476,401	-16.9%	29,475,665	32,604,530	-9.6%
Brazil	0	19,000	-100.0%	19,759,871	202,406	9,662.5%
Switzerland	1,813,596	1,367,644	32.6%	17,724,627	20,760,975	-14.6%
United Kingdom	1,611,265	417,608	285.8%	14,469,701	12,711,659	13.8%
Sweden	758,496	414,939	82.8%	9,278,732	29,562,800	-68.6%
Belgium	383,788	536,475	-28.5%	8,001,994	19,515,967	-59.0%
Taiwan	685,434	500,619	36.9%	6,138,941	8,168,472	-24.8%
Spain	220,353	41,676	428.7%	2,867,074	3,529,150	-18.8%
France	304,847	757,313	-59.7%	2,407,346	3,239,064	-25.7%
South Korea	13,980	6,840	104.4%	536,475	515,738	4.0%
Singapore	117,501	0	NA	417,755	132,580	215.1%

MACHINE TOOL TOTAL

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Japan	$95,040,568	$86,278,782	10.2%	$829,896,047	$904,796,721	-8.3%
Germany	23,137,061	23,976,564	-3.5%	380,019,112	337,409,073	12.6%
Taiwan	11,360,221	7,370,641	54.1%	97,124,602	117,111,387	-17.1%
Switzerland	8,547,971	5,579,693	53.2%	82,723,854	96,089,490	-13.9%
United Kingdom	8,087,429	4,408,403	83.5%	79,343,013	100,908,997	-21.4%
Italy	4,900,282	10,313,391	-52.5%	72,000,724	82,200,859	-12.4%
Canada	3,119,618	5,707,404	-45.3%	51,573,364	73,240,074	-29.6%
Brazil	458,322	800,543	-42.7%	27,247,117	12,139,343	124.5%
Sweden	1,953,073	967,257	101.9%	24,066,333	43,793,735	-45.0%
France	2,084,224	1,644,258	26.8%	20,257,863	24,773,117	-18.2%
Spain	755,670	274,130	175.7%	17,567,688	25,672,015	-31.6%
South Korea	1,864,670	1,266,530	47.2%	16,537,809	16,531,513	0.0%
Singapore	1,781,864	1,462,951	21.8%	11,177,838	16,436,076	-32.0%
Belgium	528,265	536,475	-1.5%	9,831,028	21,174,642	-53.6%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991 Units	SEPTEMBER 1991 Value	OCTOBER 1991 Units	OCTOBER 1991 Value	OCTOBER 1991 YTD Units	OCTOBER 1991 YTD Value	OCTOBER 1990 Units	OCTOBER 1990 Value
Used & rebuilt & under $3,025	4,681	$13,799,781	4,312	$14,136,772	56,530	$145,903,183	6,399	$11,915,072
Boring machines	3	82,808	8	1,566,411	156	12,700,811	12	613,537
Drilling machines	72	1,649,843	98	1,189,185	1,061	19,017,700	60	937,232
Gear cutting machines	49	6,635,184	32	4,683,694	255	56,718,924	33	4,217,786
Grinding machines	233	5,137,364	252	8,200,926	2,970	89,667,524	346	10,933,219
NC horizontal lathes	22	2,547,345	36	4,088,207	266	29,162,067	25	2,408,221
NC vertical lathes	1	31,150	2	267,983	29	2,254,867	9	1,621,356
Non-NC lathes	49	1,621,326	52	1,694,551	438	13,627,846	61	1,218,831
Milling machines	16	363,774	103	2,701,167	493	31,753,113	51	2,190,381
Machining centers	37	9,299,241	20	4,843,346	255	45,461,598	52	4,679,669
Station type machines	15	1,103,920	33	6,066,181	85	44,556,926	8	8,910,384
Other metal cutting machines	215	6,841,529	233	6,192,397	2,630	72,114,011	490	7,249,997
Punching & shearing machines	117	3,929,919	120	2,900,772	1,153	43,613,422	111	4,695,896
Bending & forming machines	122	4,852,226	116	4,024,662	1,405	59,471,994	139	6,554,180
Presses	169	9,193,318	119	7,690,788	1,604	73,387,313	89	4,543,803
Forging machines	52	3,892,191	39	4,376,386	328	48,511,928	30	3,804,635
Other metal forming machines	171	6,665,077	315	11,517,430	2,279	108,657,536	241	8,430,558
MACHINE TOOL TOTAL	6,024	77,645,996	5,890	86,140,858	71,937	896,580,763	8,156	84,924,757

PRODUCT TYPES	OCTOBER 1990 YTD Units	OCTOBER 1990 YTD Value	% CHANGE SEPT'91–OCT'91 Units	% CHANGE SEPT'91–OCT'91 Value	% CHANGE OCT'90–OCT'91 Units	% CHANGE OCT'90–OCT'91 Value	% CHANGE YTD'90–YTD'91 Units	% CHANGE YTD'90–YTD'91 Value
Used & rebuilt & under $3,025	51,700	$134,508,595	-7.9%	2.4%	-32.6%	18.6%	9.3%	8.5%
Boring machines	142	14,983,859	166.7%	1,791.6%	-33.3%	155.3%	9.9%	-15.2%
Drilling machines	871	15,847,675	36.1%	-27.9%	63.3%	26.9%	21.8%	20.0%
Gear cutting machines	208	48,118,445	-34.7%	-29.4%	-3.0%	11.0%	22.6%	17.9%
Grinding machines	3,236	109,038,158	8.2%	59.6%	-27.2%	-25.0%	-8.2%	-17.8%
NC horizontal lathes	354	37,670,581	63.6%	60.5%	44.0%	[illegible].8%	-24.9%	-22.6%
NC vertical lathes	62	11,764,804	100.0%	760.3%	-77.8%	-83.5%	-53.2%	-80.8%
Non-NC lathes	631	14,162,649	6.1%	4.5%	-14.8%	39.0%	-30.6%	-3.8%
Milling machines	385	32,032,110	543.8%	642.5%	102.0%	23.3%	28.1%	-0.9%
Machining centers	342	49,283,638	-45.9%	-47.9%	-61.5%	3.5%	-25.4%	-7.8%
Station type machines	64	35,627,330	120.0%	449.5%	312.5%	-31.9%	32.8%	25.1%
Other metal cutting machines	3,398	64,972,575	8.4%	-9.5%	-52.4%	-14.6%	-22.6%	11.0%
Punching & shearing machines	1,223	53,435,670	2.6%	-26.2%	8.1%	-38.2%	-5.7%	-18.4%
Bending & forming machines	1,543	59,118,637	-4.9%	-17.1%	-16.5%	-38.6%	-8.9%	0.6%
Presses	1,787	78,735,878	-29.6%	-16.3%	33.7%	69.3%	-10.2%	-6.8%
Forging machines	317	40,776,860	-25.0%	12.4%	30.0%	15.0%	3.5%	19.0%
Other metal forming machines	2,580	82,942,568	84.2%	72.8%	30.7%	36.6%	-11.7%	31.0%
MACHINE TOOL TOTAL	68,843	883,020,032	-2.2%	10.9%	-27.8%	1.4%	4.5%	1.5%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	199	40,498,256	231	62,377,569	249	23,528,172	204	28,546,978
Station type machines	16	13,375,688	8	1,595,456	8	8,078,447	16	13,974,758
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991 Units	SEPTEMBER 1991 Value	OCTOBER 1991 Units	OCTOBER 1991 Value	OCTOBER 1991 YTD Units	OCTOBER 1991 YTD Value	OCTOBER 1990 Units	OCTOBER 1990 Value
Used & rebuilt & under $3,025	68,503	$12,925,407	94,403	$14,087,197	735,918	$137,642,069	123,375	$18,144,453
Boring machines	64	4,555,634	66	6,256,498	576	45,417,763	67	6,367,793
Drilling machines	61	2,902,483	55	2,816,039	920	37,142,688	133	5,115,447
Gear cutting machines	11	1,036,962	28	4,458,812	337	40,913,948	24	9,163,879
Grinding machines	413	25,438,841	432	18,082,688	4,771	199,993,647	728	22,115,629
NC horizontal lathes	141	15,597,511	169	19,056,907	2,062	214,647,660	236	24,077,544
NC vertical lathes	11	3,650,775	10	4,071,036	100	26,144,223	10	3,183,656
Non-NC lathes	299	5,939,533	427	6,345,190	4,124	67,482,050	883	10,701,325
Milling machines	196	2,605,184	283	3,472,283	2,985	59,886,139	368	6,724,436
Machining centers	261	32,637,026	253	27,719,237	2,258	354,006,670	256	30,295,646
Station type machines	12	12,689,422	19	19,071,415	121	80,583,107	13	10,334,968
Other metal cutting machines	257	11,639,564	258	13,628,425	2,916	138,307,550	301	20,848,312
Punching & shearing machines	75	5,842,087	85	6,594,446	848	49,725,068	96	7,464,655
Bending & forming machines	121	6,484,435	116	4,516,959	1,418	63,540,600	140	9,706,668
Presses	601	4,173,370	307	9,947,795	2,386	126,645,683	225	5,254,258
Forging machines	19	5,358,263	62	6,036,144	625	52,235,194	57	3,756,734
Other metal forming machines	123	5,429,895	157	5,966,043	1,993	104,891,576	259	16,246,525
MACHINE TOOL TOTAL	71,168	158,906,392	97,130	172,127,114	764,358	1,799,205,635	127,171	209,501,928

PRODUCT TYPES	OCTOBER 1990 YTD Units	OCTOBER 1990 YTD Value	% CHANGE SEPT'91–OCT'91 Units	% CHANGE SEPT'91–OCT'91 Value	% CHANGE OCT'90–OCT'91 Units	% CHANGE OCT'90–OCT'91 Value	% CHANGE YTD'90–YTD'91 Units	% CHANGE YTD'90–YTD'91 Value
Used & rebuilt & under $3,025	809,532	$131,647,442	37.8%	9.0%	-23.5%	-22.4%	-9.1%	4.6%
Boring machines	528	37,767,759	3.1%	37.3%	-1.5%	-1.7%	9.1%	20.3%
Drilling machines	1,244	39,680,949	-9.8%	-3.0%	-58.6%	-45.0%	-26.0%	-6.4%
Gear cutting machines	433	46,390,283	154.5%	330.0%	16.7%	-51.3%	-22.2%	-11.8%
Grinding machines	7,270	248,857,427	4.6%	-28.9%	-40.7%	-18.2%	-34.4%	-19.6%
NC horizontal lathes	2,701	263,664,955	19.9%	22.2%	-28.4%	-20.9%	-23.7%	-18.6%
NC vertical lathes	151	22,766,359	-9.1%	11.5%	0.0%	27.9%	-33.8%	14.8%
Non-NC lathes	6,993	99,065,666	42.8%	6.8%	-51.6%	-40.7%	-41.0%	-31.9%
Milling machines	4,523	72,203,767	44.4%	33.3%	-23.1%	-48.4%	-34.0%	-17.1%
Machining centers	2,639	346,680,338	-3.1%	-15.1%	-1.2%	-8.5%	-14.4%	2.1%
Station type machines	151	77,377,945	58.3%	50.3%	46.2%	84.5%	-19.9%	4.1%
Other metal cutting machines	4,025	164,445,839	0.4%	17.1%	-14.3%	-34.6%	-27.6%	-15.9%
Punching & shearing machines	1,414	62,737,179	13.3%	12.9%	-11.5%	-11.7%	-40.0%	-20.7%
Bending & forming machines	1,867	79,027,698	-4.1%	-30.3%	-17.1%	-53.5%	-24.0%	-19.6%
Presses	3,253	86,952,822	-48.9%	138.4%	36.4%	89.3%	-26.7%	45.6%
Forging machines	840	53,882,477	226.3%	12.7%	8.8%	60.7%	-25.6%	-3.1%
Other metal forming machines	2,320	118,295,533	27.6%	9.9%	-39.4%	-63.3%	-14.1%	-11.3%
MACHINE TOOL TOTAL	849,884	1,951,444,438	36.5%	8.3%	-23.6%	-17.8%	-10.1%	-7.8%

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

RELEASED: January 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	115	8110	14	891
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	57	11432	2	410
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	19	4652	1	690
100035	Horizontal machining centers, ATC	42	14967	4	986
100045	Machining centers, n.e.c.	127	14411	13	2757
200010	Unit construction mach. (single station transfer), NC	6	2335	1	188
200090	Unit construction mach. (single station transfer), non-NC	13	3090	0	0
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	54	24317	32	5878
8458110010	Horizontal lathes, multiple spindle, NC	33	4417	3	267
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	180	15713	28	2707
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	29	4720	2	725
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	24	4312	3	389
190030	Horizontal engine or toolroom lathes, non-NC	33	534	2	37
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	48	3059	8	508
190090	Horizontal lathes, n.e.c., non-NC	245	6191	37	937
911060	Vertical turret lathes, multiple spindle, NC	1	45	1	45
911080	Vertical turret lathes, n.e.c., NC	2	484	1	223
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	1726	0	0
991050	Vertical turret lathes, non-NC	28	1007	1	19
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	65	2529	4	193
8459100000	Way-type unit head machines	4	257	0	0
210080	Other drilling machines, NC	152	11308	7	409
290040	Drilling machines, multiple spindle, non-NC	3	380	0	0
290050	Drilling machines, radial, non-NC	24	591	6	313
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	28	982	5	15
290090	Drilling machines, n.e.c., non-NC	854	5756	80	453
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280	1	886
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062	1	208
310070	Boring-milling machines, n.e.c., NC	20	1277	1	25
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253	2	140
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	15	357	0	0
400040	Boring machines, vertical, NC	6	471	0	0
400050	Boring machines, vertical, non-NC	31	1551	2	276
400070	Boring machines, n.e.c., NC	1	148	0	0
400080	Boring machines, n.e.c., non-NC	70	3302	1	31
510080	Milling machines, knee type, NC	22	1710	5	401
590030	Milling machines, knee type, non-NC	91	3332	7	220
610080	Milling machines, excluding knee type, n.e.c., NC	53	17245	5	528
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34	2	10
690070	Milling machines, bed type, non-NC	1	37	0	0
690090	Milling machines, n.e.c., non-NC	321	9395	84	1542
700020	Threading or tapping machines, n.e.c., NC	53	2211	3	80
700080	Threading or tapping machines, n.e.c., non-NC	209	6605	32	316
8460110080	Flat surface grinding machines, NC	49	3954	2	56
190010	Flat surface grinding mach., recip.-table type, non-NC	60	845	3	41
190050	Flat surface grinding machines, n.e.c., non-NC	30	3664	3	281
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	100	32241	4	1110
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	31	4868	2	198
290030	Grinding machines, internal cylindrical, non-NC	17	2931	5	2111
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	331	10586	27	1276
310080	Sharpening machines (tool & cutter grinding), NC	26	1951	1	34
390050	Sharpening machines (tool & cutter grinding), non-NC	779	6634	46	395
400060	Honing or lapping machines, NC	10	864	3	110
400080	Honing or lapping machines, non-NC	453	6691	32	356
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	7	1112	3	622
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1077	13327	121	1611
8461100060	Planing machines, NC	2	219	1	19
100080	Planing machines, non-NC	153	5828	13	924
200010	Shaping or slotting machines, NC	17	1633	0	0
200090	Shaping or slotting machines, non-NC	29	756	0	0
300060	Broaching machines, NC	9	1196	0	0
300080	Broaching machines, non-NC	41	2617	5	863
401050	Gear hobbers	73	6558	23	2858
401070	Gear shapers	10	1264	1	40
401090	Gear cutting machines, n.e.c.	86	39869	3	1673
405060	Gear grinding or finishing machines	86	9028	5	113
500050	Sawing or cutting-off machines, NC	96	5159	10	410
500090	Sawing or cutting-off machines, non-NC	1173	14423	69	993
9000000001	Metal cutting machine tools, n.e.c.	733	23358	86	1696
9800000001	Used or rebuilt machine tools	5840	63350	330	3982
9900000001	Machine tools valued at less than $3,025	34714	20134	2681	2002
	Cutting Total			3880	47478
	Y-T-D Cutting Total	49192	500520		
	NC Y-T-D Cutting Total*	1488	201407		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	401
100045	0	0	0	0	0	0	0	0	3	374
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	7	1925
8458110010	0	0	0	0	0	0	0	0	1	74
110030	0	0	0	0	0	0	1	76	2	189
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	2	231
190030	0	0	0	0	0	0	0	0	1	34
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	4	40	0	0	0	0	0	0	7	136
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	35
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	3	9
290090	0	0	0	0	0	0	1	3	16	168
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	208
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050*	0	0	0	0	0	0	0	0	1	136
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	31
510080	2	103	0	0	0	0	0	0	1	36
590030	2	69	0	0	0	0	1	40	0	0
610080	0	0	0	0	0	0	0	0	1	229
690050	0	0	0	0	0	0	0	0	2	10
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	11
700020	0	0	0	0	2	54	0	0	0	0
700080	0	0	0	0	2	164	20	67	5	32
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	58
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	5	105
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	6	22	217
400060	0	0	0	0	0	0	0	0	0	0
400080	4	33	0	0	0	0	0	0	4	54
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	2	26	1	4	0	0	26	442
8461100060	1	19	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	2	19
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	71	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	10	410
500090	0	0	0	0	0	0	1	4	18	173
9000000001	0	0	0	0	1	27	0	0	11	82
9800000001	11	285	0	0	1	153	1	8	63	1302
9900000001	61	60	0	0	31	22	10	12	216	243
Month Tot	85	609	2	26	38	424	37	286	436	7375
Y-T-D Tot	850	3987	76	784	934	9774	977	10396	4827	76601
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	293	41154

Please see notes on last page of the metal forming section.

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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	11	661	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	3	1855	0	0	1	47	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	25	3953	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	6	557	1	89	6	492	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	2	218	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	17	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	4	231	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	1	886	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	2	262	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	52	850	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	2	751	0	0	0	0	0	0	0	0
290010	0	0	0	0	1	140	0	0	0	0
290030	0	0	0	0	3	1837	2	274	0	0
290050	0	0	0	0	1	30	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	3	17	0	0	6	36
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	19	199	0	0	0	0
900060	3	622	0	0	0	0	0	0	0	0
900080	5	32	3	28	9	246	1	11	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	2	587	0	0	0	0	1	258	0	0
401050	0	0	0	0	9	488	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	954	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	14	6	95	0	0	0	0
9000000001	12	150	0	0	0	0	0	0	0	0
9800000001	43	592	0	0	19	102	0	0	0	0
9900000001	31	10	30	32	80	74	18	19	17	11
Month Tot	161	6268	62	4334	174	6500	23	579	23	47
Y-T-D Tot	702	31190	1369	16392	3097	50358	825	11340	96	4745
NC YTD Tot*	68	22114	51	7108	197	28718	11	2014	3	723

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	152
8457100015	0	0	0	0	0	0	0	0	1	285
100025	0	0	0	0	0	0	0	0	1	690
100035	0	0	1	249	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	3	324
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	194
110030	0	0	1	143	0	0	0	0	0	0
110050	0	0	0	0	2	725	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	159
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	6	290	0	0	0	0
190090	2	22	0	0	8	97	0	0	10	461
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	223
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	19
995090	0	0	0	0	0	0	0	0	1	30
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	6	313	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	3
290090	0	0	2	9	43	192	0	0	12	53
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	2	140	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	140	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	62
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	8	184	12	285	0	0	2	17
700020	1	26	0	0	0	0	0	0	0	0
700080	1	6	0	0	0	0	0	0	3	46
8460110080	0	0	0	0	0	0	0	0	2	56
190010	0	0	0	0	0	0	0	0	1	26
190050	0	0	0	0	0	0	0	0	1	150
210080	0	0	1	60	1	299	0	0	0	0
290010	0	0	0	0	0	0	0	0	1	57
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	2	662	0	0	14	154
310080	0	0	0	0	0	0	0	0	1	34
390050	0	0	6	38	4	31	0	0	2	14
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	5	48	18	297	1	6	10	97
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	551	0	0	0	0	4	246
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	5	1877	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	648	0	0	0	0	0	0
405060	0	0	0	0	1	45	0	0	1	10
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	11	1	3	0	0	12	195
9000000001	2	32	6	164	11	131	0	0	7	233
9800000001	0	0	7	58	0	0	0	0	133	1078
9900000001	4	3	384	278	209	48	17	10	322	243
Month Tot	10	88	431	2755	326	5262	18	16	552	5309
Y-T-D Tot	765	10384	5105	47006	3173	43738	257	2932	9207	48060
NC YTD Tot*	17	3810	124	13254	63	11442	6	187	187	18383

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	1	125	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	2	120	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	7	814	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	7	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	67
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	108	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	80	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	55	1	187
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	32	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	4	25	0	0	2	13
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	49	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	3	58	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	1	33	8	124
9000000001	1	3	5	30	0	0	2	17	2	18
9800000001	0	0	8	23	0	0	3	8	1	5
9900000001	28	22	341	224	40	36	15	13	28	38
Month Tot	31	146	360	628	51	875	27	232	43	453
Y-T-D Tot	571	4246	2701	7356	270	2135	759	4491	1175	9802
NC YTD Tot*	11	1907	22	2225	8	841	17	2258	27	3260

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	39	0	0	0	0	1	39
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	336
100045	0	0	0	0	0	0	0	0	1	37
200010	0	0	0	0	0	0	0	0	1	188
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	90	0	0	0	0	3	257
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	3	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	120	3	36
911060	0	0	0	0	0	0	0	0	1	45
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	61
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	69
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	3
290090	0	0	0	0	0	0	0	0	6	26
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	25
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	4	111
610080	0	0	1	80	0	0	0	0	1	77
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	7	165	0	0	0	0	2	30
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	3
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	2	15
190050	0	0	0	0	0	0	0	0	1	73
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	83
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400060	0	0	3	110	0	0	0	0	0	0
400080	2	31	0	0	0	0	0	0	3	40
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	5	20	0	0	20	221	9	93
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	46	0	0	1	19	1	13
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	9	493	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	40
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	14	241	0	0	0	0	6	98
9000000001	0	0	6	43	0	0	8	347	12	419
9800000001	0	0	5	163	0	0	1	5	34	202
9900000001	55	38	225	88	0	0	107	107	412	371
Month Tot	57	68	282	1581	0	0	138	819	513	2798
Y-T-D Tot	824	2174	3544	25274	166	17926	930	9361	5992	50067
NC YTD Tot*	18	1106	121	11003	5	456	19	1948	133	16441

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

RELEASED: January 8, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	266	6349	28	463
8462100030	Headers and upsetters, including cold headers	52	21594	1	750
100050	Forging or die stamping machines, and hammers, n.e.c.	276	26917	38	3626
210080	Bending, folding, straight. or flat. mach., incl presses, NC	216	21201	20	1262
290030	Press brakes, non-NC	92	3045	6	120
290040	Bending rolls, non-NC	47	1259	4	134
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1050	33967	86	2508
310080	Shearing machines, NC	81	5957	5	235
390050	Shearing machines, non-NC	284	7561	35	532
410080	Punching or notching mach., incl. comb. punch & shear, NC	113	14984	7	734
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	675	15112	73	1400
910060	Hydraulic presses, NC	24	948	3	41
910090	Hydraulic presses, non-NC	476	16275	25	736
990030	Presses, n.e.c., NC	171	10296	9	922
990040	Presses, mechanical, non-NC	132	11336	8	866
990060	Presses, n.e.c., non-NC	801	34532	74	5126
8463100080	Draw benches for bars, tubes, profiles, wire or the like	200	6799	28	518
200080	Thread rolling machines	45	1456	4	208
300080	Machines for working wire	598	16328	57	1192
900080	Metal forming machine tools, n.e.c.	1170	77725	198	9136
9800000002	Used or rebuilt machine tools	2835	52015	193	7232
9900000002	Machine tools valued at less than $3,025	13141	10403	1108	920
	Forming Total			2010	38663
	Y-T-D Forming Total	22745	396061		
	NC Y-T-D Forming Total	605	53386		
	Cutting and Forming Totals:				
	Monthly Total			5890	86141
	Y-T-D Total	71937	896581		
	NC Y-T-D Total*	2093	254793		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	561744	0	62101
2000000000	Parts for working rubber or plastics - heading 8477	0	216837	0	20989
2710003070	Quenching or cutting oils	0	5594	0	319
8428900010	Industrial robots for lifting, handling, loading or unload	510	6769	42	2346
8431390090	Parts industrial robots, handling and loading - heading 8428	0	78785	0	6662
8456100000	Laser, light or photon beam for working any material	487	30619	50	4040
200000	Ultrasonic process for working any material	51	2017	2	751
8477106010	Injection molding mach., for rubber or oth. thermosetting	232	17969	30	3089
106070	Injection molding machines, for thermoplastics	447	48243	78	6505
200005	Extruders; rubber or other thermosetting mat., single screw	98	7016	3	79
200015	Extruders; rubber or thermosetting, other incl. multi. screw	117	10070	6	606
200030	Extruders; thermoplastics, single screw	389	20485	26	2922
200060	Extruders; thermoplastics, other incl. multi. screw	76	7778	4	259
300000	Blow molding machines	495	28112	44	4569
400000	Vacuum-molding and other thermoforming machines	936	7681	100	1685
510010	Machines for molding or retreading pneumatic tires	2425	14974	109	1736
510090	Machines for molding or otherwise forming inner tubes	598	11384	176	687
590000	Machines for molding or otherwise forming n.e.c.	1373	22246	125	4073
800000	Machines for working rubber or plastics n.e.c.	4109	66164	350	9038
8479899040	Industrial robots, n.e.c.	4841	59171	449	8330
908040	Industrial robot parts	0	29561	0	3331
8537100030	Numerical controls for controlling machine tools	1349	19495	144	2065
9024100000	Machines and appliances for testing metals	0	59057	0	5398
9031100000	Machines for balancing mechanical parts	0	25494	0	3433
300000	Profile projectors	0	4204	0	578
9032810040	Industrial process control instr., hydraulic or pneumatic	737667	43356	79185	4095

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	1	750	0	0
100050	0	0	1	45	0	0	0	0	1	37
210080	0	0	0	0	2	74	1	44	1	25
290030	0	0	0	0	0	0	0	0	2	26
290040	0	0	0	0	0	0	0	0	2	65
290050	3	78	0	0	3	30	0	0	12	287
310080	0	0	0	0	0	0	0	0	2	152
390050	0	0	0	0	1	13	0	0	15	113
410080	0	0	0	0	0	0	0	0	1	31
490050	4	179	0	0	0	0	0	0	7	64
910060	0	0	0	0	0	0	0	0	0	0
910090	1	10	0	0	0	0	1	22	2	91
990030	0	0	0	0	0	0	6	641	1	7
990040	0	0	0	0	0	0	1	470	0	0
990060	0	0	0	0	1	20	6	233	7	40
8463100080	0	0	0	0	0	0	0	0	3	52
200080	0	0	0	0	0	0	1	33	0	0
300080	0	0	0	0	0	0	1	4	4	134
900080	4	32	1	5	0	0	0	0	9	449
9800000002	1	4	0	0	0	0	1	16	36	584
9900000002	17	11	0	0	0	0	0	0	169	181
Month Tot	30	315	2	50	7	137	19	2214	274	2337
Y-T-D Tot	459	9485	17	429	356	3035	225	7849	2768	36777
NC YTD Tot	4	210	3	99	23	707	19	1681	72	8204
C&F Month	115	924	4	76	45	562	56	2499	710	9712
C&F Y-T-D	1309	13472	93	1212	1290	12809	1202	18246	7595	113377
C&F NC YTD*	13	1495	3	99	71	6225	49	5933	365	49357

Other Manufacturing Technology

1000000000	0	946	0	856	0	896	0	1113	0	14771
2000000000	0	231	0	145	0	123	0	504	0	4939
2710003070	0	8	0	0	0	0	0	0	0	85
8428900010	0	0	0	0	0	0	0	0	1	15
8431390090	0	199	0	21	0	99	0	49	0	868
8456100000	0	0	0	0	0	0	0	0	1	324
200000	0	0	0	0	0	0	0	0	1	737
8477106010	1	150	0	0	0	0	1	97	2	88
106070	3	125	0	0	0	0	34	3767	13	683
200005	0	0	0	0	0	0	0	0	1	19
200015	0	0	0	0	0	0	0	0	2	210
200030	1	128	0	0	2	246	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	19
300000	0	0	0	0	0	0	0	0	4	2551
400000	0	0	0	0	0	0	0	0	63	589
510010	8	96	0	0	0	0	11	125	1	10
510090	4	52	0	0	0	0	0	0	0	0
590000	28	923	0	0	7	179	6	137	4	211
800000	3	41	0	0	9	146	1	543	73	1352
8479899040	1	61	0	0	0	0	0	0	376	4207
908040	0	18	0	0	0	0	0	17	0	2396
8537100030	0	0	0	0	0	0	6	79	17	198
9024100000	0	57	0	0	0	16	0	186	0	368
9031100000	0	17	0	0	0	0	0	16	0	1153
300000	0	0	0	0	0	0	0	0	0	37
9032810040	455	45	2551	146	490	42	18	30	4429	408

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	9	97	0	0	4	54	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	5	302	3	153	1	151	0	0	0	0
210080	0	0	0	0	2	133	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	11	1	67	4	219	1	60	13	376
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	11	8	129	0	0	0	0
410080	0	0	0	0	1	147	0	0	0	0
490050	1	7	0	0	33	506	0	0	16	199
910060	0	0	0	0	0	0	0	0	0	0
910090	1	59	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	7	38	5	1086	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	3	175	0	0	0	0
300080	0	0	6	422	2	48	0	0	3	85
900080	0	0	19	556	11	597	1	20	3	300
9800000002	8	500	0	0	7	35	0	0	0	0
9900000002	2	3	39	33	123	103	0	0	0	0
Month Tot	27	978	76	1279	204	3383	2	80	35	960
Y-T-D Tot	377	21929	903	21514	1706	36887	111	1002	155	4983
NC YTD Tot	24	2187	34	2718	36	3974	2	170	1	23
C&F Month	188	7247	138	5614	378	9883	25	659	58	1006
C&F Y-T-D	1079	53119	2272	37906	4803	87245	936	12342	251	9728
C&F NC YTD*	92	24301	85	9826	233	32692	13	2183	4	746

Other Manufacturing Technology

1000000000	0	612	0	2543	0	5349	0	2371	0	389
2000000000	0	509	0	675	0	947	0	3	0	27
2710003070	0	0	0	0	0	9	0	0	0	40
8428900010	0	0	0	0	7	79	0	0	0	0
8431390090	0	132	0	97	0	158	0	27	0	33
8456100000	0	0	4	943	24	1131	1	182	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	4	770	1	95	0	0	0	0
106070	0	0	0	0	2	130	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	1	893	0	0
200060	0	0	0	0	1	18	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	10	48	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	8	120	7	111	0	0	2	1328
800000	126	3511	4	117	0	0	0	0	0	0
8479899040	0	0	4	78	21	764	0	0	0	0
908040	0	0	0	121	0	225	0	0	0	0
8537100030	3	92	9	90	17	302	0	0	0	0
9024100000	0	0	0	171	0	318	0	16	0	0
9031100000	0	8	0	0	0	77	0	11	0	0
300000	0	0	0	0	0	24	0	0	0	0
9032810040	0	0	3741	204	6447	407	133	28	0	0

Not Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* " * "C&F NC YTD" does not include code 8456300000.
Not Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	4	44	0	0	0	0	5	53
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	21	1950	1	69	0	0
210080	0	0	1	139	0	0	0	0	7	592
290030	0	0	0	0	0	0	0	0	3	81
290040	0	0	0	0	0	0	0	0	1	56
290050	0	0	2	56	0	0	1	100	29	708
310080	0	0	0	0	0	0	0	0	2	61
390050	0	0	0	0	0	0	0	0	5	165
410080	0	0	0	0	0	0	0	0	2	276
490050	1	11	0	0	0	0	0	0	2	44
910060	1	25	0	0	0	0	0	0	2	16
910090	0	0	5	179	0	0	0	0	7	139
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	2	190
990060	1	20	6	2199	8	209	0	0	18	482
8463100080	0	0	0	0	0	0	0	0	11	149
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	73	0	0	0	0	10	110
900080	0	0	5	127	112	6282	0	0	10	141
9800000002	8	161	1	3734	0	0	0	0	113	1735
9900000002	60	16	106	73	50	19	12	10	153	152
Month Tot	71	234	134	6626	191	8460	14	180	382	5150
Y-T-D Tot	586	9861	1521	36905	866	31876	140	1406	4577	49641
NC YTD Tot	5	631	47	5224	40	4352	1	29	67	6090
C&F Month	81	322	565	9381	517	13722	32	196	934	10459
C&F Y-T-D	1351	20245	6626	83911	4039	75614	397	4338	13784	97701
C&F NC YTD*	22	4440	171	18477	103	15795	7	216	254	24473

Other Manufacturing Technology

1000000000	0	983	0	5635	0	1497	0	254	0	4305
2000000000	0	227	0	844	0	1513	0	116	0	3010
2710003070	0	0	0	25	0	30	0	0	0	14
8428900010	3	1913	0	0	0	0	0	0	16	162
8431390090	0	23	0	844	0	190	0	0	0	358
8456100000	2	50	0	0	3	845	0	0	4	262
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	3	222	1	652	0	0	8	436
106070	1	85	0	0	0	0	0	0	2	94
200005	0	0	0	0	0	0	0	0	1	40
200015	0	0	0	0	0	0	0	0	2	350
200030	0	0	0	0	0	0	0	0	4	1052
200060	0	0	0	0	0	0	0	0	1	68
300000	0	0	0	0	1	230	0	0	10	175
400000	0	0	1	12	1	7	0	0	22	888
510010	1	70	0	0	27	690	0	0	7	36
510090	0	0	0	0	0	0	0	0	1	20
590000	6	94	4	113	3	120	4	5	0	0
800000	0	0	8	12	13	196	0	0	57	2266
8479899040	9	2001	2	14	8	50	0	0	8	44
908040	0	0	0	185	0	14	0	0	0	10
8537100030	7	89	3	54	3	42	0	0	0	0
9024100000	0	558	0	538	0	308	0	0	0	184
9031100000	0	17	0	13	0	1284	0	0	0	323
300000	0	82	0	0	0	343	0	5	0	0
9032810040	7865	644	29	43	1113	112	4	4	1952	167

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	72	0	0	0	0
210080	0	0	1	52	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	4	82	1	15
310080	1	22	0	0	0	0	0	0	0	0
390050	0	0	4	84	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	2	244
490050	0	0	1	8	0	0	0	0	1	14
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	30	0	0	1	11
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	4	190
990060	1	8	0	0	0	0	0	0	1	190
8463100080	0	0	0	0	0	0	7	188	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	54	3	63	0	0	0	0
900080	3	13	0	0	2	229	0	0	1	5
9800000002	1	34	2	45	0	0	0	0	3	59
9900000002	29	11	49	43	0	0	28	17	11	14
Month To	35	87	61	286	7	394	39	286	25	742
Y-T-D Tot	813	8859	479	5895	160	4736	340	2507	274	8381
NC YTD Tot	20	2132	17	1181	6	283	3	181	41	2719
C&F Month	66	233	421	915	58	1269	66	519	68	1195
C&F Y-T-D	1384	13105	3180	13251	430	6871	1099	6998	1449	18184
C&F NC YTD*	31	4039	39	3407	14	1124	20	2439	68	5979

Other Manufacturing Technology

1000000000	0	483	0	1339	0	272	0	1385	0	1168
2000000000	0	136	0	1138	0	254	0	87	0	204
2710003070	0	0	0	18	0	0	0	0	0	17
8428900010	4	39	0	0	9	92	0	0	1	43
8431390090	0	122	0	299	0	136	0	10	0	85
8456100000	3	72	0	0	0	0	1	30	0	0
200000	0	0	0	0	1	14	0	0	0	0
8477106010	1	25	4	181	1	203	0	0	2	104
106070	0	0	6	460	1	30	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	1	27
400000	1	12	0	0	0	0	0	0	0	0
510010	25	35	0	0	2	39	0	0	0	0
510090	0	0	3	3	0	0	0	0	0	0
590000	2	20	0	0	2	35	1	9	4	70
800000	20	201	0	0	0	0	0	0	6	90
8479899040	0	0	4	886	0	0	2	20	0	0
908040	0	3	0	3	0	4	0	22	0	24
8537100030	1	12	0	0	0	0	0	0	3	39
9024100000	0	31	0	42	0	26	0	17	0	27
9031100000	0	0	0	5	0	0	0	0	0	24
300000	0	0	0	24	0	0	0	0	0	23
9032810040	7056	428	1387	176	2205	122	144	23	1229	151

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	11	0	0	0	0	1	6	4	198
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	581	0	0	0	0	0	0	3	265
210080	0	0	0	0	0	0	0	0	5	203
290030	0	0	0	0	0	0	0	0	1	13
290040	0	0	0	0	0	0	0	0	1	13
290050	2	49	5	319	0	0	2	38	2	14
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	17
410080	0	0	1	36	0	0	0	0	0	0
490050	1	31	0	0	0	0	0	0	6	337
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	5	160	0	0	0	0	1	36
990030	2	274	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	1	17
990060	0	0	9	393	0	0	1	20	3	187
8463100080	0	0	6	123	0	0	0	0	1	5
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	20	0	0	2	36	17	143
900080	0	0	11	280	0	0	0	0	6	101
9800000002	0	0	2	156	0	0	3	98	7	71
9900000002	2	5	11	99	0	0	4	3	144	127
Month Tot	9	951	150	1585	0	0	13	201	203	1746
Y-T-D Tot	448	8328	1513	27800	3	123	394	2219	3554	53633
NC YTD Tot	15	1447	49	2125	2	97	5	241	69	6682
C&F Month	66	1020	432	3166	0	0	151	1020	716	4543
C&F Y-T-D	1272	10502	5057	53074	169	18049	1324	11580	9546	103700
C&F NC YTD*	33	2553	170	13127	7	553	24	2189	202	23123

Other Manufacturing Technology

1000000000	0	835	0	3776	0	0	0	1552	0	8771
2000000000	0	298	0	896	0	0	0	490	0	3672
2710003070	0	0	0	0	0	0	0	7	0	65
8428900010	0	0	0	0	0	0	0	0	1	4
8431390090	0	92	0	414	0	0	0	515	0	1891
8456100000	0	0	2	99	0	0	0	0	5	103
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	66
106070	0	0	2	125	0	0	0	0	14	1006
200005	0	0	0	0	0	0	0	0	1	20
200015	0	0	0	0	0	0	0	0	2	46
200030	0	0	1	28	0	0	0	0	17	575
200060	0	0	0	0	0	0	0	0	1	154
300000	0	0	2	280	0	0	0	0	26	1305
400000	0	0	0	0	0	0	0	0	2	128
510010	0	0	7	174	0	0	1	22	19	437
510090	31	9	18	465	0	0	0	0	119	138
590000	1	14	26	434	0	0	0	0	10	149
800000	5	79	6	239	0	0	8	120	11	125
8479899040	1	42	9	122	0	0	0	0	4	40
908040	0	0	0	142	0	0	0	71	0	76
8537100030	1	11	44	629	0	0	0	0	30	428
9024100000	0	0	0	1600	0	0	0	34	0	900
9031100000	0	0	0	89	0	0	0	209	0	187
300000	0	0	0	10	0	0	0	0	0	29
9032810040	28	8	6862	420	0	0	899	55	30148	434

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	2	53	1	28	3	81
Finland	0	0	0	0	0	0
Greece	21	32	0	0	21	32
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	6	318	12	12	18	330
Luxembourg	0	0	7	6	7	6
Norway	3	28	0	0	3	28
Poland	1	116	0	0	1	116
Portugal	4	31	52	45	56	76
Romania	0	0	0	0	0	0
Sweden	6	16	5	13	11	29
Turkey	6	20	1	25	7	45
Yugoslavia	0	0	2	165	2	165
Oth Europe	1	16	2	20	3	36
TOTAL	727	14836	673	7751	1400	22587
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	2	28	2	28
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	28	25	5	176	33	201
Dominican Rep	1	3	0	0	1	3
El Salvador	1	6	0	0	1	6
Guatemala	9	15	2	3	11	17
Haiti	0	0	0	0	0	0
Honduras	33	13	1	13	34	25
Jamaica	0	0	2	74	2	74
Panama	1	4	13	51	14	55
Trinidad	0	0	4	119	4	119
Oth N & C Am.	3	12	7	9	10	21
TOTAL	1064	12761	692	7960	1756	20721
SOUTH AMERICA						
Argentina	9	156	5	27	14	184
Bolivia	0	0	0	0	0	0
Chile	47	168	7	144	54	312
Colombia	8	17	21	138	29	155
Ecuador	13	14	1	17	14	30
Paraguay	0	0	0	0	0	0
Peru	8	341	3	18	11	359
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	260	1800	69	2759	329	4559
OCEANIA						
New Zealand	10	91	4	15	14	106
Oth Oceania	0	0	0	0	0	0
TOTAL	95	700	34	331	129	1030

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	142	447	7	419	149	865
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	52	34	0	0	52	34
Jordan	2	3	1	5	3	8
Kuwait	3	47	11	17	14	63
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	25	0	0	1	25
Pakistan	0	0	0	0	0	0
Philippines	34	127	18	13	52	140
Qatar	0	0	0	0	0	0
Saudi Arabia	34	354	1	36	35	389
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	10	48	2	22	12	69
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	2	20	2	20
TOTAL	1720	17161	540	19794	2260	36955
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	5	179	0	0	5	179
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	1	12	0	0	1	12
South Africa	8	30	1	66	9	96
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	1	3	1	3
TOTAL	14	221	2	68	16	289

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - October 91

RELEASED: January 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	583	44351	71	6061
301050	Electro-discharge machines, n.e.c., NC	175	15593	23	1712
301070	Electro-discharge machines, n.e.c., non-NC	256	3250	13	134
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1476	120397	183	13801
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	101	15854	15	1456
100035	Horizontal machining centers, ATC	406	88448	36	9513
100045	Machining centers, n.e.c.	275	129308	19	2949
200010	Unit construction mach. (single station transfer), NC	30	7322	3	192
200090	Unit construction mach. (single station transfer), non-NC	7	1968	0	0
300010	Multi-station transfer machines, NC	27	48379	7	16335
300090	Multi-station transfer machines, non-NC	51	21986	8	1991
8458110010	Horizontal lathes, multiple spindle, NC	232	39098	27	4615
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1456	111271	116	9646
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	322	45852	19	2417
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	52	18427	7	2379
190030	Horizontal engine or toolroom lathes, non-NC	2885	26568	306	2955
190050	Automatic bar and/or chucking mach., single spindle, non-NC	296	7346	39	763
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	33	3646	3	308
190090	Horizontal lathes, n.e.c., non-NC	403	16179	33	874
911060	Vertical turret lathes, multiple spindle, NC	21	7062	4	2181
911080	Vertical turret lathes, n.e.c., NC	42	12390	4	1644
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	23	3740	2	247
991050	Vertical turret lathes, non-NC	88	4415	1	94
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	419	9328	45	1352
8459100000	Way-type unit head machines	6	928	1	554
210080	Other drilling machines, NC	341	23890	28	1634
290040	Drilling machines, multiple spindle, non-NC	19	1745	1	282
290050	Drilling machines, radial, non-NC	194	2001	17	150
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	42	411	1	8
290090	Drilling machines, n.e.c., non-NC	324	9095	8	743
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	14	6272	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	65	12528	4	1316
310070	Boring-milling machines, n.e.c., NC	20	4530	1	13
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	73	4300	1	53
400040	Boring machines, vertical, NC	10	1326	1	130
400050	Boring machines, vertical, non-NC	40	779	0	0
400070	Boring machines, n.e.c., NC	21	9669	4	4106
400080	Boring machines, n.e.c., non-NC	329	5743	55	639
510080	Milling machines, knee type, NC	280	5402	15	227
590030	Milling machines, knee type, non-NC	1893	15702	162	1504
610080	Milling machines, excluding knee type, n.e.c., NC	418	28223	48	1067
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740	12	44
690070	Milling machines, bed type, non-NC	25	687	1	15
690090	Milling machines, n.e.c., non-NC	333	9133	45	615
700020	Threading or tapping machines, n.e.c., NC	185	10454	31	1385
700080	Threading or tapping machines, n.e.c., non-NC	156	5110	15	298
8460110080	Flat surface grinding machines, NC	103	11645	3	483
190010	Flat surface grinding mach., recip.-table type, non-NC	327	4688	41	717
190050	Flat surface grinding machines, n.e.c., non-NC	1000	11947	60	603
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	403	69004	43	6035
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	298	11922	26	499
290030	Grinding machines, internal cylindrical, non-NC	124	5400	6	811
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	636	25336	50	3870
310080	Sharpening machines (tool & cutter grinding), NC	136	6087	18	484
390050	Sharpening machines (tool & cutter grinding), non-NC	468	6862	52	579
400060	Honing or lapping machines, NC	26	3163	1	215
400080	Honing or lapping machines, non-NC	179	12872	16	883
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	88	5242	8	158
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	983	25827	108	2747
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	8	46	0	0
200010	Shaping or slotting machines, NC	6	555	3	254
200090	Shaping or slotting machines, non-NC	46	3224	7	24
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	11	3826	0	0
401020	Gear cutting for bevel gears	3	1066	1	545
401030	Gear hobbers	137	17753	14	1584
401040	Gear shapers	35	3884	2	48
401060	Gear cutting machines, n.e.c.	119	2296	3	59
405050	Gear grinding or finishing for bevel gears	4	473	3	423
405070	Gear grinding or finishing machines, n.e.c.	42	16508	6	2344
500050	Sawing or cutting-off machines, NC	88	10465	1	142
500090	Sawing or cutting-off machines, non-NC	1168	26124	80	1241
9000000001	Metal cutting machine tools, n.e.c.	229	12497	14	2378
9800000001	Used or rebuilt machine tools	3237	39833	1452	4223
9900000001	Machine tools valued at less than $3,025	718407	69552	91862	7617
	Cutting Total			95315	137365
	Y-T-D Cutting Total	742817	1374975		
	NC Y-T-D Cutting Total	7474	926633		

Please see notes on last page of the metal forming section.

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	1	192
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	1	64
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	674
100045	0	0	0	0	0	0	1	124	2	433
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	4	1097
8458110010	0	0	0	0	0	0	0	0	2	402
110030	0	0	0	0	0	0	0	0	8	1230
110050	0	0	0	0	0	0	3	356	3	401
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	20	164	1	5	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	31
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	94	0	0
995090	0	0	19	159	1	146	0	0	1	75
8459100000	0	0	0	0	0	0	0	0	1	554
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	5	60	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	8
290090	0	0	0	0	1	191	1	473	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	49
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	53
400040	0	0	0	0	0	0	0	0	1	130
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	1	35
400080	0	0	0	0	2	19	46	506	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	6	0	0	4	63
610080	0	0	0	0	0	0	0	0	2	242
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	4	161
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	5	922
290010	0	0	0	0	20	151	0	0	1	95
290030	0	0	0	0	0	0	0	0	5	677
290050	0	0	0	0	4	15	0	0	32	1252
310080	0	0	0	0	1	2	0	0	4	139
390050	0	0	0	0	1	3	0	0	16	281
400060	0	0	0	0	0	0	0	0	1	215
400080	0	0	0	0	0	0	0	0	2	20
900060	0	0	0	0	0	0	0	0	1	101
900080	0	0	0	0	5	46	0	0	6	218
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	3	254
200090	0	0	0	0	7	24	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	1	545
401030	0	0	0	0	0	0	0	0	10	1277
401040	0	0	0	0	0	0	0	0	2	48
401060	0	0	0	0	0	0	0	0	1	53
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	3	1669
500050	1	142	0	0	0	0	0	0	0	0
500090	0	0	0	0	22	194	0	0	11	469
9000000001	0	0	1	17	0	0	0	0	0	0
9800000001	0	0	3	58	13	61	5	104	22	808
9900000001	2	3	0	0	208	33	283	121	513	232
Month Tot	3	144	48	458	287	895	340	1779	680	15172
Y-T-D Tot	73	1829	671	7487	5374	14606	2522	17851	6845	303152
NC YTD Tot	5	403	13	1501	37	3333	51	8917	512	199230

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - October 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	36	3058	0	0	0	0	0	0
301050	0	0	9	1078	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	112	10297	3	126	22	1085	0	0
100025	0	0	4	700	0	0	0	0	0	0
100035	0	0	32	8437	1	73	0	0	0	0
100045	1	902	1	300	3	192	0	0	0	0
200010	0	0	2	75	1	118	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	7	16335	0	0	0	0	0	0
300090	0	0	1	175	0	0	0	0	0	0
8458110010	0	0	25	4212	0	0	0	0	0	0
110030	0	0	84	7191	2	147	0	0	0	0
110050	0	0	8	1350	0	0	0	0	0	0
110090	0	0	7	2379	0	0	0	0	0	0
190030	0	0	1	54	13	175	28	389	0	0
190050	0	0	1	269	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	4	2181	0	0	0	0	0	0
911080	0	0	4	1644	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	88	1	159	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	39	15	878	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	28	1634	0	0	0	0	0	0
290040	0	0	1	282	0	0	0	0	0	0
290050	0	0	1	34	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	3	4071	0	0	0	0	0	0
400080	7	114	0	0	0	0	0	0	0	0
510080	0	0	1	50	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	24	386
610080	0	0	2	329	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	1	15	0	0	0	0	0	0
690090	1	186	2	9	0	0	0	0	2	133
700020	0	0	24	1210	0	0	0	0	0	0
700080	1	7	2	83	0	0	0	0	0	0
8460110080	0	0	2	14	0	0	0	0	0	0
190010	0	0	5	311	0	0	17	182	0	0
190050	0	0	1	128	0	0	0	0	0	0
210080	0	0	30	4307	0	0	0	0	0	0
290010	0	0	1	111	0	0	0	0	0	0
290030	0	0	1	134	0	0	0	0	0	0
290050	3	47	0	0	0	0	0	0	0	0
310080	1	7	6	19	0	0	0	0	0	0
390050	0	0	5	24	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	39	8	808	0	0	0	0	0	0
900060	0	0	5	36	0	0	0	0	0	0
900080	1	12	28	1477	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	1	286	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	1	3	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	2	644	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	80	16	291	0	0	0	0	0	0
9000000001	1	8	10	2119	0	0	0	0	0	0
9800000001	2	40	38	2063	0	0	0	0	1	16
9900000001	2369	480	4052	694	1490	143	48	8	0	0
Month Tot	2393	2012	4617	81114	1528	1851	115	1664	27	535
Y-T-D Tot	27825	42525	48511	651914	18746	16001	930	10760	1555	14701
NC YTD Tot	100	22360	4460	554373	130	8927	137	6350	150	1209

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - October 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	23	2471	0	0	0	0	12	533
301050	0	0	0	0	4	45	0	0	9	396
301070	0	0	0	0	13	134	0	0	0	0
8457100015	0	0	0	0	28	1607	6	314	11	310
100025	0	0	0	0	8	665	0	0	3	91
100035	0	0	0	0	1	145	0	0	1	184
100045	0	0	0	0	0	0	7	485	4	514
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	719	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	58	9	427	11	580	1	14
110050	0	0	0	0	5	310	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	86	716	22	409	135	1042
190050	0	0	1	71	32	158	4	234	0	0
190070	0	0	1	245	0	0	1	13	1	50
190090	0	0	0	0	24	75	4	713	5	87
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	4	29	3	25
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	11	56	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	3	46	0	0	2	26	1	6
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	2	1173	0	0	0	0	1	94
310070	0	0	0	0	0	0	0	0	1	13
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	14	177	0	0	0	0
590030	0	0	0	0	111	713	17	282	5	53
610080	0	0	1	90	42	398	0	0	1	9
690050	0	0	0	0	12	44	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	15	26	146	0	0	13	125
700020	0	0	0	0	7	75	0	0	0	0
700080	0	0	8	46	0	0	0	0	0	0
8460110080	0	0	1	468	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	18	220
190050	0	0	0	0	45	349	6	58	8	68
210080	0	0	3	423	0	0	5	383	0	0
290010	0	0	2	139	0	0	2	3	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	2	1078	1	368	0	0	5	1059	3	51
310080	0	0	2	211	0	0	3	10	1	96
390050	0	0	2	17	0	0	25	186	3	68
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	4	15	0	0
900060	0	0	0	0	0	0	0	0	2	21
900080	0	0	5	63	0	0	13	72	50	859
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	21
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	1	3	0	0	0	0	0	0
405050	0	0	0	0	0	0	3	423	0	0
405070	0	0	0	0	0	0	1	31	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	26	14	55	13	69	1	56
9000000001	0	0	0	0	0	0	1	94	1	140
9800000001	31	23	0	0	1283	35	38	855	16	162
9900000001	53	94	103	83	67955	4244	166	133	14620	1351
Month Tot	86	1195	165	6734	69730	10675	363	6476	14933	6658
Y-T-D Tot	2197	14788	1101	64999	502515	90986	2552	64873	121400	58504
NC YTD Tot	13	6833	236	32752	740	25506	318	34989	572	19950

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

RELEASED: January 10, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	208	24349	2	438
8462100030	Headers and upsetters, including cold headers	66	13624	8	855
100050	Forging or die stamping machines, and hammers, n.e.c.	559	38611	54	5181
210080	Bending, folding, straight. or flat. mach., incl presses, NC	414	30464	33	2105
290030	Press brakes, non-NC	178	6242	17	533
290040	Bending rolls, non-NC	58	1445	6	127
290050	Bending, folding, straight., or flat., n.e.c., non-NC	768	25390	60	1751
310080	Shearing machines, NC	20	3419	9	1496
390050	Shearing machines, non-NC	286	11598	29	2447
410080	Punching or notching mach., incl. comb. punch & shear, NC	173	26673	10	2147
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	369	8036	37	505
910060	Hydraulic presses, NC	25	8099	16	2848
910090	Hydraulic presses, non-NC	1785	17185	136	1586
990030	Presses, n.e.c., NC	3	1451	0	0
990035	Mechanical transfer presses, non-NC	12	62504	2	508
990045	Mechanical presses, n.e.c., non-NC	157	16012	69	1626
990060	Presses, n.e.c., non-NC	404	21395	84	3380
8463100080	Draw benches for bars, tubes, profiles, wire or the like	116	9427	5	268
200080	Thread rolling machines	62	1788	11	156
300080	Machines for working wire	822	46086	94	4274
900080	Metal forming machine tools, n.e.c.	785	23241	45	830
9800000002	Used or rebuilt machine tools	2502	22203	122	1203
9900000002	Machine tools valued at less than $3,025	11769	4989	966	499
	Forming Total			1815	34763
	Y-T-D Forming Total	21541	424230		
	NC Y-T-D Forming Total	635	70105		
	Cutting and Forming Totals:				
	Monthly Total			97130	172127
	Y-T-D Total	764358	1799206		
	NC Y-T-D Total	8109	996738		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	470070	0	47679
2000000000	Parts for working rubber or plastics - heading 8477	0	268098	0	24341
2710003070	Quenching or cutting oils	0	267	0	36
8428900010	Industrial robots for lifting, handling, loading or unload	1245	27325	102	2156
8431390080	Parts industrial robots, handling and loading - heading 8428	0	78176	0	7321
8456101010	Laser, light or photon beam for working metal, NC	130	29623	24	4171
101020	Laser, light or photon beam for working metal, non-NC	90	9518	14	908
105000	Laser, light or photon beam for other materials	170	7067	115	277
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	34	137	1	17
205000	Ultrasonic processes for working other materials	38	229	1	5
8477103000	Injection molding mach., for manufacturing shoes	169	1850	99	202
106010	Injection molding mach., for rubber or oth. thermosetting	670	75515	54	5018
106050	Injection molding mach., for thermoplastics	1851	171355	145	12466
200005	Extruders; rubber or other thermosetting mat., single screw	34	6690	4	1820
200015	Extruders; rubber or thermosetting, other incl. multi. screw	133	15526	6	285
200035	Extruders; thermoplastics, single screw, less than 6.4cm	76	2460	5	223
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	88	11308	15	2107
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	57	6460	9	572
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	109	20313	12	7640
300000	Blow molding machines	217	45744	31	1450
400000	Vacuum-molding and other thermoforming machines	276	15353	11	275
510010	Machines for molding or retreading pneumatic tires	296	22939	15	2542
510090	Machines for molding or otherwise forming inner tubes	68	5470	15	2287
590000	Machines for molding or otherwise forming n.e.c.	512	27640	69	1875
800000	Machines for working rubber or plastics n.e.c.	1838	129309	224	7314
8479899040	Industrial robots, n.e.c.	3296	121040	312	11937
908040	Industrial robot parts	0	26725	0	2768
8537100030	Numerical controls for controlling machine tools	7840	28511	957	3097
9024100000	Machines and appliances for testing metals	0	9077	0	516
9031100000	Machines for balancing mechanical parts	0	7949	0	2010
300000	Profile projectors	0	4777	0	418
9032810020	Industrial process control instr., hydraulic	107197	2907	5953	344
810060	Industrial process control instr., pneumatic	132987	4300	10750	383

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	2	287
100050	0	0	0	0	2	16	1	230	8	678
210080	0	0	0	0	3	32	8	25	2	218
290030	3	101	0	0	11	411	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	4
290050	0	0	0	0	27	216	0	0	4	48
310080	0	0	0	0	0	0	0	0	1	427
390050	9	171	0	0	5	109	2	18	1	8
410080	0	0	0	0	0	0	0	0	2	236
490050	0	0	0	0	2	34	0	0	1	6
910060	0	0	0	0	0	0	0	0	2	2409
910090	0	0	0	0	2	5	0	0	3	885
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	1	11
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	19	494	0	0	12	1442
8463100080	0	0	0	0	0	0	0	0	5	268
200080	0	0	0	0	0	0	0	0	0	0
300080	1	76	0	0	15	746	0	0	10	527
900080	0	0	0	0	2	16	4	30	4	360
9800000002	1	35	0	0	28	107	0	0	25	134
9900000002	0	0	0	0	40	38	6	3	48	14
Month Tot	14	384	0	0	156	2224	21	305	132	7965
Y-T-D Tot	172	8002	30	19760	1814	36967	222	2407	1278	76867
NC YTD Tot	1	561	0	0	30	3938	18	128	98	18373
C&F Month	17	528	48	458	443	3120	361	2084	812	23137
C&F Y-T-D	245	9831	701	27247	7188	51573	2744	20258	8123	380019
C&F NC YTD	6	964	13	1501	67	7271	69	9045	610	217603

Other Manufacturing Technology

1000000000	0	201	0	363	0	8448	0	974	0	8231
2000000000	0	14	0	16	0	4181	0	566	0	8253
2710003070	0	0	0	0	0	6	0	0	0	0
8428900010	0	0	0	0	3	39	32	538	1	46
8431390080	0	0	0	9	0	2199	0	116	0	1371
8456101010	0	0	0	0	0	0	0	0	12	1527
101020	0	0	0	0	0	0	0	0	14	908
105000	0	0	0	0	1	263	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	1	17
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	5	10	0	0	3	129
106010	0	0	0	0	7	878	1	93	7	426
106050	0	0	0	0	35	2927	0	0	38	2300
200005	0	0	0	0	0	0	0	0	3	1188
200015	0	0	0	0	3	29	0	0	1	196
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	14	1914
200055	0	0	0	0	0	0	0	0	7	404
200065	0	0	0	0	0	0	0	0	12	7640
300000	0	0	0	0	1	24	4	29	1	3
400000	0	0	0	0	0	0	0	0	5	8
510010	0	0	0	0	6	67	2	655	2	1815
510090	0	0	0	0	7	31	0	0	1	252
590000	0	0	0	0	10	226	26	132	3	480
800000	1	111	0	0	12	282	9	2094	53	2533
8479899040	0	0	0	0	4	44	0	0	4	285
908040	0	0	0	0	0	109	0	7	0	1110
8537100030	0	0	0	0	19	208	0	0	285	43
9024100000	0	0	0	0	0	29	0	5	0	72
9031100000	0	0	0	0	0	50	0	0	0	55
300000	0	0	0	0	0	0	0	0	0	132
9032810020	0	0	0	0	1	3	0	0	148	135
810060	0	0	4000	16	1	2	222	22	17	115

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	438	0	0	0	0	0	0
8462100030	0	0	5	566	0	0	0	0	0	0
100050	4	90	26	3979	1	2	0	0	0	0
210080	0	0	18	1757	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	15	860	0	0	0	0	2	15
310080	0	0	2	91	0	0	0	0	0	0
390050	1	1755	8	352	0	0	0	0	0	0
410080	1	484	3	389	0	0	0	0	0	0
490050	11	67	0	0	0	0	0	0	17	190
910060	10	105	0	0	0	0	1	32	0	0
910090	19	23	17	578	0	0	1	9	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	497	0	0	0	0	0	0
990045	0	0	69	1626	0	0	0	0	0	0
990060	0	0	15	1118	0	0	1	5	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	2	60	0	0	0	0	0	0
300080	6	241	48	1519	1	12	0	0	0	0
900080	6	98	1	16	0	0	1	72	0	0
9800000002	2	10	2	44	0	0	0	0	1	13
9900000002	5	14	216	36	0	0	0	0	8	2
Month Tot	65	2888	450	13926	2	14	4	118	28	220
Y-T-D Tot	1385	29476	3618	177982	36	536	5	418	762	2867
NC YTD Tot	38	3091	362	30223	0	0	1	32	0	0
C&F Month	2458	4900	5067	95041	1530	1865	119	1782	55	756
C&F Y-T-D	29210	72001	52129	829896	18782	16538	935	11178	2317	17568
C&F NC YTD	138	25451	4822	584596	130	8927	138	6382	150	1209

Other Manufacturing Technology

1000000000	0	1144	0	14595	0	166	0	74	0	56
2000000000	0	595	0	7363	0	82	0	4	0	25
2710003070	0	0	0	28	0	0	0	0	0	0
8428900010	0	0	57	865	0	0	0	0	1	72
8431390080	0	102	0	747	0	88	0	0	0	0
8456101010	0	0	10	2086	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	1	5	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	1	76	27	2944	0	0	1	15	0	0
106050	1	60	60	6801	2	100	0	0	0	0
200005	1	632	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	2	168	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	9	1115	0	0	0	0	0	0
400000	0	0	6	268	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	3	1512	0	0	0	0	0	0
590000	0	0	7	627	0	0	0	0	0	0
800000	18	178	56	568	0	0	0	0	0	0
8471899040	0	0	252	10863	0	0	7	45	0	0
908040	0	53	0	1032	0	0	0	0	0	0
8537100030	10	116	640	2657	0	0	0	0	0	0
9024100000	0	9	0	57	0	0	0	0	0	0
9031100000	0	4	0	1883	0	0	0	0	0	0
300000	0	0	0	177	0	0	0	0	0	0
9032810020	0	0	0	0	2250	15	0	0	0	0
810060	0	0	70	19	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	1	2	0	0	0	0	0	0
100050	0	0	1	103	3	20	8	63	0	0
210080	0	0	0	0	1	8	0	0	1	67
290030	0	0	0	0	3	20	0	0	0	0
290040	3	104	0	0	2	19	0	0	0	0
290050	6	153	0	0	0	0	0	0	6	459
310080	0	0	1	249	0	0	5	729	0	0
390050	0	0	0	0	0	0	1	5	2	29
410080	0	0	2	493	1	60	0	0	1	484
490050	0	0	2	12	2	175	1	12	1	9
910060	3	302	0	0	0	0	0	0	0	0
910090	0	0	0	0	61	24	1	38	32	24
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	21	70	10	48	2	55	0	0	4	148
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	9	96	0	0	0	0
300080	1	65	1	647	0	0	4	16	7	426
900080	0	0	16	139	1	3	10	96	0	0
9800000002	5	64	0	0	0	0	37	639	21	156
9900000002	0	0	74	121	422	207	11	14	136	48
Month Tot	39	758	108	1814	507	685	78	1611	211	1850
Y-T-D Tot	201	9279	928	17725	5972	6139	1849	14470	3269	21335
NC YTD Tot	16	2184	13	1693	7	116	15	2411	36	7355
C&F Month	125	1953	273	8548	70237	11360	441	8087	15144	8508
C&F Y-T-D	2398	24066	2029	82724	508487	97125	4401	79343	124669	79839
C&F NC YTD	29	9016	249	34446	747	25622	333	37400	608	27305

Other Manufacturing Technology

1000000000	0	664	0	2840	0	2364	0	2898	0	4460
2000000000	0	25	0	327	0	405	0	1116	0	1367
2710003070	0	0	0	2	0	0	0	0	0	0
8428900010	4	207	0	0	0	0	1	113	3	277
8431390080	0	204	0	304	0	41	0	796	0	1344
8456101010	0	0	2	559	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	114	14	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	1	20	0	0	90	42
106010	0	0	0	0	1	118	0	0	9	468
106050	0	0	1	160	6	97	0	0	2	20
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	2	60
200035	0	0	0	0	1	32	3	187	1	4
200045	0	0	0	0	0	0	1	193	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	31	1	164	13	84
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	5	6
510090	0	0	0	0	0	0	2	184	2	308
590000	0	0	0	0	9	198	5	76	9	136
800000	1	16	0	0	15	221	8	229	51	1080
8479899040	5	259	3	203	14	55	0	0	23	184
908040	0	120	0	11	0	9	0	126	0	194
8537100030	0	0	0	0	0	0	3	73	0	0
9024100000	0	7	0	75	0	0	0	211	0	50
9031100000	0	0	0	0	0	0	0	18	0	0
300000	0	0	0	2	0	3	0	104	0	0
9032810020	0	0	225	12	0	0	201	4	3128	174
810060	665	127	38	2	0	0	16	5	5721	75

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	154	487	6	397	160	884
Bulgaria	6	36	0	0	6	36
Czechoslovakia	9	190	0	0	9	190
Denmark	37	150	34	35	71	185
Finland	67	63	2	487	69	550
Hungary	1	14	3	365	4	379
Ireland	1	46	0	0	1	46
Luxembourg	0	0	0	0	0	0
Netherlands	3	111	20	142	23	254
Norway	0	0	0	0	0	0
Poland	41	461	0	0	41	461
Portugal	0	0	0	0	0	0
Romania	0	0	60	11	60	11
USSR	5	132	0	0	5	132
Yugoslavia	19	353	0	0	19	353
Oth Europe	10	24	2	95	12	119
TOTAL	4410	36115	612	17478	5022	53593
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	293	268	1	12	294	280
Oth N & C Am.	0	0	0	0	0	0
TOTAL	580	1164	157	2236	737	3399
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	4	6	4	6
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	2	5	1	13	3	18
Oth South Am.	0	0	0	0	0	0
TOTAL	50	463	5	19	55	483
OCEANIA						
Australia	1	96	1	65	2	161
New Zealand	1	7	0	0	1	7
Oth Oceania	0	0	0	0	0	0
TOTAL	2	103	1	65	3	167

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	14195	2678	75	192	14270	2870
Hong Kong	10	6	0	0	10	6
India	17	131	0	0	17	131
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	3	236	2	29	5	265
Malaysia	18	13	0	0	18	13
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	39	1149	0	0	39	1149
Oth Asia	0	0	0	0	0	0
TOTAL	90272	99518	1040	14964	91312	114482
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	1	2	0	0	1	2
TOTAL	1	2	0	0	1	2

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.